



National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Maine Department of Agriculture Metrology Laboratory

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CALIBRATION LABORATORIES

NVLAP LAB CODE 200414-0

Scope Revised: 2006-12-04

NVLAP Code: 20/A01

ANSI/NCSL Z540-1-1994; Part 1

Compliant

MECHANICAL

NVLAP Code: 20/M08

Mass - Metric

Range	Best Uncertainty (\pm) ^{note 1}	Remarks
30 kg	18 mg	Echelon I
25 kg	15 mg	Echelon I
20 kg	14 mg	Echelon I
10 kg	2.9 mg	Echelon I
5 kg	1.7 mg	Echelon I
4 kg	1.6 mg	Echelon I
3 kg	1.4 mg	Echelon I
2 kg	1.1 mg	Echelon I
1 kg	60 μ g	Echelon I
500 g	32 μ g	Echelon I
300 g	22 μ g	Echelon I
200 g	17 μ g	Echelon I
100 g	17 μ g	Echelon I
50 g	9.3 μ g	Echelon I
30 g	6.5 μ g	Echelon I
20 g	5.1 μ g	Echelon I

2006-07-01 through 2007-06-30

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology



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10 g	5.1 µg	Echelon I
5 g	3.2 µg	Echelon I
3 g	2.4 µg	Echelon I
2 g	2.1 µg	Echelon I
1 g	2.3 µg	Echelon I
500 mg	1.4 µg	Echelon I
300 mg	1.0 µg	Echelon I
200 mg	0.87 µg	Echelon I
100 mg	0.93 µg	Echelon I
50 mg	0.73 µg	Echelon I
30 mg	0.61 µg	Echelon I
20 mg	0.58 µg	Echelon I
10 mg	0.67 µg	Echelon I
5 mg	0.48 µg	Echelon I
3 mg	0.40 µg	Echelon I
2 mg	0.38 µg	Echelon I
1 mg	0.43 µg	Echelon I
30 kg	18 mg	Echelon II
25 kg	15 mg	Echelon II
20 kg	14 mg	Echelon II
10 kg	2.9 mg	Echelon II
5 kg	1.7 mg	Echelon II
4 kg	1.7 mg	Echelon II
3 kg	1.4 mg	Echelon II
2 kg	1.1 mg	Echelon II
1 kg	73 µg	Echelon II
500 g	52 µg	Echelon II
300 g	46 µg	Echelon II
200 g	44 µg	Echelon II
100 g	23 µg	Echelon II
50 g	18 µg	Echelon II
30 g	17 µg	Echelon II
20 g	16 µg	Echelon II

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10 g	6.5 µg	Echelon II
5 g	5.4 µg	Echelon II
3 g	5.0 µg	Echelon II
2 g	4.9 µg	Echelon II
1 g	5.0 µg	Echelon II
500 mg	1.8 µg	Echelon II
300 mg	1.5 µg	Echelon II
200 mg	1.5 µg	Echelon II
100 mg	1.4 µg	Echelon II
50 mg	1.3 µg	Echelon II
30 mg	1.2 µg	Echelon II
20 mg	1.2 µg	Echelon II
10 mg	1.0 µg	Echelon II
5 mg	0.85 µg	Echelon II
3 mg	0.81 µg	Echelon II
2 mg	0.80 µg	Echelon II
1 mg	0.81 µg	Echelon II
Mass – Avoirdupois		
1000 lb	1.2 g	Echelon II
500 lb	0.71 g	Echelon II
50 lb	31 mg	Echelon II
30 lb	22 mg	Echelon II
25 lb	21 mg	Echelon II
20 lb	13 mg	Echelon II
10 lb	6.4 mg	Echelon II
5 lb	3.3 mg	Echelon II
3 lb	2.1 mg	Echelon II
2 lb	1.4 mg	Echelon II
1 lb	68 µg	Echelon II
0.5 lb	36 µg	Echelon II
0.3 lb	25 µg	Echelon II
0.2 lb	21 µg	Echelon II
0.1 lb	20 µg	Echelon II

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0.05 lb	11 µg	Echelon II
0.03 lb	7.1 µg	Echelon II
0.02 lb	5.7 µg	Echelon II
0.01 lb	5.1 µg	Echelon II
0.005 lb	3.2 µg	Echelon II
0.003 lb	2.4 µg	Echelon II
0.002 lb	2.1 µg	Echelon II
0.001 lb	2.3 µg	Echelon II
0.0005 lb	1.4 µg	Echelon II
0.0003 lb	1.0 µg	Echelon II
0.0002 lb	0.88 µg	Echelon II
0.0001 lb	0.93 µg	Echelon II
0.00005 lb	0.72 µg	Echelon II
0.00003 lb	0.60 µg	Echelon II
0.00002 lb	0.59 µg	Echelon II
0.00001 lb	0.67 µg	Echelon II
0.000005 lb	0.48 µg	Echelon II
0.000003 lb	0.40 µg	Echelon II
0.000002 lb	0.38 µg	Echelon II
0.000001 lb	0.43 µg	Echelon II
4 oz	49 µg	Echelon II
2 oz	33 µg	Echelon II
1 oz	24 µg	Echelon II
½ oz	18 µg	Echelon II
¼ oz	12 µg	Echelon II
⅛ oz	8.4 µg	Echelon II
1/16 oz	6.7 µg	Echelon II
1/32 oz	6.1 µg	Echelon II
0.3 oz	17 µg	Echelon II
0.2 oz	9.0 µg	Echelon II
0.1 oz	8.1 µg	Echelon II
0.05 oz	7.7 µg	Echelon II

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Mass - Metric

30 kg	78 mg	Echelon III
25 kg	76 mg	Echelon III
20 kg	75 mg	Echelon III
10 kg	7.4 mg	Echelon III
5 kg	4.3 mg	Echelon III
3 kg	3.1 mg	Echelon III
2 kg	2.6 mg	Echelon III
1 kg	2.1 mg	Echelon III
500 g	2.0 mg	Echelon III
300 g	2.0 mg	Echelon III
200 g	2.0 mg	Echelon III
100 g	0.13 mg	Echelon III
50 g	0.12 mg	Echelon III
30 g	0.12 mg	Echelon III
20 g	0.12 mg	Echelon III
10 g	29 µg	Echelon III
5 g	28 µg	Echelon III
3 g	28 µg	Echelon III
2 g	28 µg	Echelon III
1 g	25 µg	Echelon III
500 mg	25 µg	Echelon III
300 mg	24 µg	Echelon III
200 mg	24 µg	Echelon III
100 mg	25 µg	Echelon III
50 mg	25 µg	Echelon III
30 mg	25 µg	Echelon III
20 mg	25 µg	Echelon III
10 mg	27 µg	Echelon III
5 mg	27 µg	Echelon III
3 mg	27 µg	Echelon III
2 mg	27 µg	Echelon III
1 mg	27 µg	Echelon III

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Mass - Avoirdupois

1000 lb	2.8 g	Echelon III
500 lb	2 g	Echelon III
100 lb	0.1 g	Echelon III
50 lb	84 mg	Echelon III
30 lb	80 mg	Echelon III
25 lb	80 mg	Echelon III
20 lb	78 mg	Echelon III
10 lb	6.9 mg	Echelon III
5 lb	4.1 mg	Echelon III
3 lb	3.2 mg	Echelon III
2 lb	2.8 mg	Echelon III
1 lb	1.8 mg	Echelon III
0.5 lb	1.8 mg	Echelon III
0.3 lb	0.18 mg	Echelon III
0.2 lb	0.18 mg	Echelon III
0.1 lb	0.18 mg	Echelon III
0.05 lb	0.18 mg	Echelon III
0.03 lb	0.18 mg	Echelon III
0.02 lb	0.18 mg	Echelon III
0.01 lb	75 µg	Echelon III
0.005 lb	77 µg	Echelon III
0.003 lb	77 µg	Echelon III
0.002 lb	77 µg	Echelon III
0.001 lb	77 µg	Echelon III
4 oz	0.21 mg	Echelon III
2 oz	0.20 mg	Echelon III
1 oz	0.18 mg	Echelon III
½ oz	0.18 mg	Echelon III
¼ oz	81 µg	Echelon III
⅛ oz	75 µg	Echelon III
1/16 oz	75 µg	Echelon III
1/32 oz	75 µg	Echelon III

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0.3 oz	58 µg	Echelon III
0.2 oz	57 µg	Echelon III
0.1 oz	56 µg	Echelon III
0.05 oz	56 µg	Echelon III

NVLAP Code: 20/M12

Volume

<i>Range in gallons</i>	<i>Best Uncertainty (±) in inches^{3 note 1}</i>	<i>Remarks</i>
125	2.7	Gravimetric
120	2.6	Gravimetric
100	2.1	Gravimetric
50	1.3	Gravimetric
25	0.64	Gravimetric
15	0.45	Gravimetric
10	0.39	Gravimetric
5	0.13	Gravimetric
1500	81	Volume Transfer
1000	54	Volume Transfer
500	28	Volume Transfer
300	17	Volume Transfer
200	9.1	Volume Transfer
150	6.9	Volume Transfer
100	4.7	Volume Transfer
50	2.5	Volume Transfer
25	1.3	Volume Transfer
10	0.54	Volume Transfer
5	0.35	Volume Transfer

<i>Range in liters</i>	<i>Best Uncertainty (±) in ml^{note 1}</i>	<i>Remarks</i>
5000	1000	Volume Transfer
3000	610	Volume Transfer
2000	420	Volume Transfer
1000	160	Volume Transfer

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500	79	Volume Transfer
200	53	Volume Transfer
100	18	Volume Transfer
50	12	Volume Transfer
20	7.9	Volume Transfer
19	7.9	Volume Transfer

1. Represents an expanded uncertainty using a coverage factor, $k = 2$, at an approximate level of confidence of 95 %.

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